

CSD INC. -- GENERAL PURPOSE ANTIFREEZE -- 6850-00-664-1403

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Product Identification
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Product ID:GENERAL PURPOSE ANTIFREEZE

MSDS Date:09/01/1989

FSC:6850

NIIN:00-664-1403

MSDS Number: BKLQT

=== Responsible Party ===

Company Name:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Info Phone Num:409-756-1065

Emergency Phone Num:409-756-1065

CAGE:JO933

=== Co

ntractor Identification ===

Company Name:CHEMICAL SPECIALISTS AND DEVELOPMENT INC

Address:2210 HACKBERRY LN

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:4N760

Company Name:CSD INC.

Address:5 HACKBERRY LANE

Box:687

City:CONROE

State:TX

ZIP:77305

Country:US

Phone:409-756-1065

CAGE:JO933

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Composition/Information on Ingredients
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Ingred Name:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: >95%

Other REC Limits:NONE

SPECIFIED BY M.
OSHA PEL:C 50 PPM
ACGIH TLV:C 50 PPM,VAPOR; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYES: MAY CAUSE EYE IRRITATION. SKIN:
MAY BE MILDLY IRRITATING. INHALATION:DROWSINESS, NARCOSIS &
UNCONSCIOUSNESS POSSIBLE UPON EXPOSURE TO HIGH CONCENTRATIONS IN
POORLY VENTILATED, CONFINED SPACES. I NGESTION:HARMFUL. LIVER &

KIDNEY DAMAGE, MAY CAUSE DAMAGE TO FETUS.
Effects of Overexposure:OVEREXPOSURE TO VAPORS OF ETHYLENE GLYCOL ARE
ASSOCIATED WITH INJURIES TO LIVER,KIDNEYS, LUNGS, BLOOD & CENTRAL
NERVOUS SYSTEM. SKIN ABSORPTION CAN INDUCE CENTRAL NERVOUS SYSTEM
DEPRESSION & KIDNEY IN JURY.
Medical Cond Aggravated by Exposure:SKIN, LIVER, AND KIDNEY PROBLEMS.

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===== First Aid Measures =====

First Aid:EYES:FLUSH EYES IMMEDIATELY FOR 15 MINUTES, CONSULT A
PHYSI
CIAN. SKIN:WASH OFF IN FLOWING WATER. DECONTAMINATE CLOTHING
& ACCESSORIES BEFORE RE-USE. INHALATION: REMOVE TO FRESH AIR.,
PROVIDE CPR/OXYG EN IF NECESSARY, GET MEDICAL HELP.
INGESTION:TOXIC. INDUCE VOMITING IMMEDIATELY. CALL A PHYSICIAN
AND/OR TRANSPORT TO EMERGENCY FACILITY.

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===== Fire Fighting Measures =====

Flash Point Method:CC
Flash Point:2450F,1343C
Lower Limits:3.2
Upper Limits:15.3
Extinguishing Media:FOAM, CO2 OR DRY CHEMICAL. NFPA
CLASS B FIRE
EXTINGUISHERS.
Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS WITH FULL
FACE PIECE & PROTECTIVE CLOTHING
Unusual Fire/Explosion Hazard:WATER SRAY MAY BE INEFFECTIVE, USE FOG
NOZZLES, DO NOT ENTER CONFINED AREAS WITHOUT FULL BUNKER GEAR

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===== Accidental Release Measures =====

Spill Release Procedures:WEAR SKIN, EYE & RESPIRATORY PROTECTION DURING
CLEAN-UP. CONTAIN SPILL & KEEP OUT OF SEWERS & DRAINS, SOAK UP
LIQUID WITH A

BSORBENT & SHOVEL INTO WASTE CONTAINER.

Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:KEEP CONTAINRES CLOSED WHEN NOT IN USE.

Other Precautions:HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH EYES. WASHTHOROUGHLY AFTER HANDLING. DO NOT STORE IN OPEN OR UNLABELED CONTAINERS.

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Exposure Controls/Personal Protection
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Respiratory Protection:OSHA-N
IOSH APPROVED RESPIRATOR FOR FUMES WITH
TLV>.05 MG/M3.

Ventilation:LOCAL EXHAUST, RECOMMENDED

Protective Gloves:IMPERVIOUS GLOVES

Eye Protection:GOGGLES OR FACE SHIELD AND OR EYE WASH

Other Protective Equipment:APRON-COVER ARMS, DEPENDING UPON CONDITIONS OF USE.

Work Hygienic Practices:PREVENT SKIN AND EYE CONTACT. OBSERVE TLV LIMITATIONS.

Supplemental Safety and Health

FOLLOW PROCEDURES SPECIFIED IN THE NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS FOR HANDLING COMBUS TIBLE LIQUIDS.

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Physical/Chemical Properties
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HCC:N1

Boiling Pt:B.P. Text:>300F,>149C

Decomp Temp:Decomp Text:NA

Vapor Pres:0.5

Vapor Density:2.0

Spec Gravity:1.137 (H2O=1)

pH:8.0

Evaporation Rate & Reference:NA

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT GREEN LIQUID WITH A MILD ODOR.

Percent Volatiles by Volume:NA

Corrosion Rate:NA

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:

YES
OXIDIZING AGENTS
Hazardous Decomposition Products:CARBON MONO AND DIOXIDES

===== Disposal Considerations =====

Waste Disposal Methods:DOES NOT MEET CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN IT'S PURCHASED FORM. FOLLOW LOCAL, STATE AND FEDERAL REGULATIONS FOR DISPOSAL OF LARGE QUANTITIES.

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